

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (currently amended) A non-aqueous electrolyte secondary cell comprising:
a cathode ~~wherein said cathode comprises~~ comprising $\text{Li}_x\text{Fe}_y\text{PO}_4$ having a particle diameter not greater than 10 micrometers and wherein $0 < x \leq 2$ and $1 \leq y \leq 2$;
an anode wherein said anode comprises sintered carbon material prepared by sintering a carbon a material capable of doping/dedoping lithium; and
a non-aqueous electrolyte solution.
- 2-3. (cancelled)
4. (currently amended) A non-aqueous electrolyte secondary cell comprising:
a cathode having a molded body ~~wherein said cathode comprises~~ comprising a cathode active material and a conductive agent, said active material comprising $\text{Li}_x\text{Fe}_y\text{PO}_4$ and having a particle diameter not greater than 10 micrometers wherein $0 < x \leq 2$ and $1 \leq y \leq 2$; ~~and wherein said cathode is a molded body comprising an active material and a conductive agent;~~
an anode ~~capable of doping/dedoping lithium, wherein said anode is~~ having a molded body comprising a material selected from the group consisting of an anode active material capable of doping/dedoping lithium, a conductive agent, and mixtures thereof; and
a non-aqueous electrolyte solution.

5-7. (canceled)

8. (currently amended) The non-aqueous electrolyte secondary cell of Claim 7 1, wherein said particle diameter is not greater than 1 micrometer.

9. (currently amended) The non-aqueous electrolyte secondary cell of Claim 5 4, wherein said particle diameter is not greater than 1 micrometer.

10-13. (canceled)

14. (previously presented) The non-aqueous electrolyte secondary cell of Claim 1, wherein said carbon material is selected from the group consisting of non-graphitizable carbon, graphitizable carbon, graphite, and mixtures thereof.

15. (previously presented) The non-aqueous electrolyte secondary cell of Claim 1, wherein said non-aqueous electrolyte solution comprises an electrolyte salt and a non-aqueous solvent.

16. (previously presented) The non-aqueous electrolyte secondary cell of Claim 15, wherein said electrolyte salt is a lithium salt having ion conductivity.

17. (previously presented) The non-aqueous electrolyte secondary cell of Claim 16, wherein said lithium salt is selected from the group consisting of LiClO_4 , LiAsF_6 , LiPF_6 , LiBF_4 , $\text{LiB}(\text{C}_6\text{H}_5)_4$, LiCl , LiBr , $\text{CH}_3\text{SO}_3\text{Li}$, $\text{N}(\text{C}_n\text{F}_{2n}\text{SO}_2)_2\text{Li}$, and mixtures thereof.

18. (previously presented) The non-aqueous electrolyte secondary cell of Claim 15, wherein said non-aqueous solvent is selected from the group consisting of propylene carbonate, ethylene carbonate, 1,2-dimethoxyethane, 1,2-diethoxyethane, diethyl carbonate, methyl ethyl carbonate, dimethyl carbonate, γ -butyrolactone, tetrahydrofuran, 1,3-dioxolane, 4-methyl-1,3-dioxolane, diethyl ether, sulfolane, methyl sulfolane, acetonitrile, propionitrile, and mixtures thereof.

19. (currently amended) The non-aqueous electrolyte secondary cell of Claim 4, wherein said anode active material comprises a carbon material selected from the group consisting of non-graphitizable carbon, graphitizable carbon, graphite, and mixtures thereof.

20. (canceled)

21. (currently amended) The non-aqueous electrolyte secondary cell of Claim 20 ~~4~~, wherein said anode conductive agent ~~comprises metals and said semiconductors are separately selected from the group consisting of carbon, $D_sE_tLi_u$ wherein D is selected from the group consisting of silicon, germanium, tin, lead, and mixtures thereof and wherein $s > 0$, $t \geq 0$, and $u \geq 0$.~~

22. (currently amended) The non-aqueous electrolyte secondary cell of Claim 21, wherein said anode conductive agent ~~is metals and said semiconductors are separately~~ selected from the group consisting of SiB_4 , SiB_6 , Mg_2Si , $Mg_2SiAlNi_2Si$, $TiSi_2$, $MoSi_2$, $CoSi_2$, $NiSi_2$, $CaSi_2$, $CrSi_2$, Cu_3Si , $FeSi_2$, $MnSi_2$, $NbSi_2$, $TaSi_2$, VS_i , WSi_2 , $ZnSi_2$ and mixtures thereof.

23. (previously presented) The non-aqueous electrolyte secondary cell of Claim 4, wherein said non-aqueous electrolyte solution comprises an electrolyte salt and a non-aqueous solvent.

24. (previously presented) The non-aqueous electrolyte secondary cell of Claim 23, wherein said electrolyte salt is a lithium salt having ion conductivity.

25. (previously presented) The non-aqueous electrolyte secondary cell of Claim 24, wherein said lithium salt is selected from the group consisting of $LiClO_4$, $LiAsF_6$, $LiPF_6$, $LiBF_4$, $LiB(C_6H_5)_4$, $LiCl$, $LiBr$, CH_3SO_3Li , $N(C_nF_{2n}SO_2)_2Li$, and mixtures thereof.

26. (previously presented) The non-aqueous electrolyte secondary cell of Claim 23, wherein said non-aqueous solvent is selected from the group consisting of propylene carbonate, ethylene carbonate, 1,2-dimethoxyethane, 1,2-diethoxyethane, diethyl carbonate, methyl ethyl carbonate, dimethyl carbonate, γ -butyrolactone, tetrahydrofuran, 1,3-dioxolane, 4-methyl-1,3-

Serial No. 09/932,050
Amendment/Reply to 03/29/04 Final Office Action

Atty Docket No. 09792909.5142
Express Mail No. EL 460869090 US

dioxolane, diethyl ether, sulfolane, methyl sulfolane, acetonitrile, propionitrile, and mixtures thereof.